

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 4

Confirmation Number	8124
Application Number	10/628920
Filing Date	July 29, 2003
First Named Inventor	L.R. Bolduc et al
Group Art Unit	3734
Examiner Name	T.E. Manahan
Attorney Docket Number	HRT0303USCNT13

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ² (if known)			
		1251258		H.M. Magill	12-25-1917	
		1918890		J.B. Bacon	07-18-1933	
		2434030		T.G. Yeoman	01-06-1948	
		2638901		E.D. Sugarbaker	05-19-1953	
		2707783		N.M. Sullivan	05-10-1955	
		3040748		G.J. Klein et al	06-26-1962	
		3080564		A.A. Strekopitov et al	03-12-1963	
		3193165		M.G. Akhalaya et al	07-06-1965	
		3217557		M. Martinot	11-16-1965	
		3252643		A.A. Strekopitov et al	05-24-1966	
		3254650		M.B. Collito	06-07-1966	
		3269630		H. Fleischer	08-30-1966	
		3388847		V.S. Kasulin et al	06-18-1968	
		3416821		E.L. Benno	12-17-1968	
		3452615		W.V. Gregory, Jr.	07-01-1969	
		3494533		D.T. Green et al	02-10-1970	
		3552626		G.V. Astafiev, et al	01-05-1971	
		3589589		E.M. Akopov	06-29-1971	
		3593903		G.V. Astafiev, et al	07-20-1971	
		3638652		J.L. Kelley	02-01-1972	
		3692224		G.V. Astafiev, et al	09-19-1972	
		3805793		S.J. Wright	04-23-1974	
		4166466		R.K. Jarvik	09-04-1979	

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		Cite Number	Kind Code ² (if known)			
		4304236		R.L. Conta et al	12-08-1981	
		4319576		R.G. Rothfuss	03-16-1982	
		4573468		R.L. Conta et al	03-04-1986	
		4576167		D.G. Noiles	03-18-1986	
		4586503		W.M. Kirsch et al	05-06-1986	
		4603693		R.L. Conta et al	08-05-1986	
		4646743		D.M. Parris	03-03-1987	
		4646745		D.G. Noiles	03-03-1987	
		4703867		J.D. Schoenhard	11-03-1987	
		4703887		M.K. Clanton et al	11-3-1987	
		4935028		R.C. Drews	06-19-1990	
		4957499		V.A. Lipatov et al	09-18-1990	
		5041128		H.W. Korthoff	08-20-1991	
		5197649		M. Bessler et al	03-30-1993	
		5242457		E. Akopov et al	09-07-1993	
		5271543		R.L. Grant et al	12-21-1993	
		5292053		F. Bilotti et al	03-08-1994	
		5333773		L.O. Main et al	08-02-1994	
		5348259		E.E. Blanco et al	09-20-1994	
		5358498		W.H. Shave	10-25-1994	

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